

ABSTRACT

A circuit is provided which is adapted to compensate for the inherent parasitic capacitance which is implicit in switched capacitor circuits. By shielding the parasitic capacitance to a common node of the circuit and then connecting this shield to a voltage source that tracks the voltage change at the input to an amplifier, the present invention provides a bootstrapping effect that enables a minimisation of the effect of the parasitic capacitance. The invention also provides a circuit that is adapted to compensate for curvature in the output of a switched capacitor bandgap reference.